

a first coil seat, including a first bottom plate, a plurality of first outer teeth, a plurality of first inner teeth;

a coil, formed in the first coil seat;

a second coil seat, including a second bottom plate, a plurality of second outer teeth, a plurality of second inner teeth, said second coil seat disposed on the first coil seat, each of said second outer teeth interposed between said adjacent first outer teeth, each of said second inner teeth interposed between said adjacent first inner teeth with the tops of the second inner teeth extending to the same plane of the first bottom plate and the tops of the first inner teeth extending to the same plane of the second bottom plate;

a circular magnet, surrounding said stator; and

a shaft, passing through said stator.

12. (Twice Amended) A miniature motor structure, comprising:

a stator, further comprising;

a first coil seat, including a first bottom plate, a plurality of first outer teeth, a plurality of first inner teeth, said first bottom plate further including a first central opening, said first outer teeth protruding from said first bottom plate and surrounding an outer periphery of said first bottom plate, said first inner teeth protruding from said first bottom plate and surrounding said first central opening;

a coil, formed in the first coil seat;

a second coil seat, including a second bottom plate, a plurality of second outer teeth, a plurality of second inner teeth, said second coil seat disposed on the first coil seat, said second bottom plate further including a second central opening, said second outer teeth protruding from said second bottom plate and surrounding an outer periphery of said second bottom plate, said second inner teeth protruding from said second bottom plate and surrounding said second central opening, each of said second outer teeth interposed between said adjacent first outer teeth, each of said second inner teeth interposed between said adjacent first inner teeth with the tops of the second inner teeth extending to the same plane of the first bottom plate and the tops of the first inner teeth extending to the same plane of the second bottom plate;

a circular magnet, surrounding said stator;

a metal housing, surrounding said circular magnet; and

a shaft, passing through said stator.

Please add the following claims:

--21. A miniature motor structure, comprising:

a stator, further comprising:

a first coil seat, including a first bottom plate, a plurality of first outer teeth, a plurality of first inner teeth, wherein

said first inner teeth and said first outer teeth are alternately arranged;

a coil, formed in the first coil seat;

a second coil seat, including a second bottom plate, a plurality of second outer teeth, a plurality of second inner teeth, wherein said second inner teeth and said second outer teeth are alternately arranged, said second coil seat disposed on the first coil seat, each of said second outer teeth interposed between said adjacent first outer teeth, each of said second inner teeth interposed between said adjacent first inner teeth;

a circular magnet, surrounding said stator; and

a shaft, passing through said stator.--

--22. The miniature motor structure according to claim 21, wherein said first bottom plate further includes a first central opening, said first outer teeth protruding from said first bottom plate and surrounding an outer periphery of said first bottom plate, said first inner teeth protruding from said first bottom plate and surrounding said first central opening, and said second bottom plate further includes a second central opening, said second outer teeth protruding from said second bottom plate and surrounding an outer periphery of said second bottom plate, said second inner teeth protruding from said second bottom plate and surrounding said second central opening.--

--23. The miniature motor structure according to claim 21, wherein said first outer teeth and said second outer teeth, or said first outer teeth and said second outer teeth further comprise a cut corner, an arc or a gap.--

--24. A miniature motor structure, comprising:

a stator, further comprising:

a first coil seat, including a first bottom plate, a plurality of first outer teeth, a plurality of first inner teeth, wherein each of first inner tooth is arranged to partly trail behind/exceed the corresponding first outer tooth;

a coil, formed in the first coil seat;

a second coil seat, including a second bottom plate, a plurality of second outer teeth, a plurality of second inner teeth, wherein each of second inner tooth is arranged to partly trail behind/exceed the corresponding second outer tooth, said second coil seat disposed on the first coil seat, each of said second outer teeth interposed between said adjacent first outer teeth, each of said second inner teeth interposed between said adjacent first inner teeth;

a circular magnet, surrounding said stator; and

a shaft, passing through said stator.--